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Improved sucrose fatty acid ester compositions and shortening and margarines made therefrom.

The present invention relates to intermediate melting sucrose fatty acid ester compositions that are capable of rapid crystallization from a melted state. The compositions comprise 60% to 97% by weight intermediate melting sucrose fatty acid esters and 3% to 40% hardstock triglycerides or hardstock polyol fatty acid esters. Preferably the average fatty acid chain length of the hardstock material fatty acids is not less than the average fatty acid chain length of the intermediate melting sucrose ester fatty acids. The sucrose fatty acid esters are characterized by their rheology, liquid/solid stability, iodine value, and solids at body temperature. Rapid crystallization of the esters is useful in preventing anal leakage, and it could also translate into a reduction of post-hardening in shortenings and margarines, and into improved high temperature stability and temperature cycling stability as may be encountered

during distribution of these products to the end user.

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.4)	
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)	
E	EP-A-0 287 157 (THE PROCTER & GAMBLE CO.) * Page 4, line 24 - page 5, line 49 * ---	1,2,9-11,13	A 23 D 5/00 A 23 D 3/00	
X	US-A-4 241 054 (R.A. VOLPENHEIN et al.) * Claims 1-3,5,6,7,12; column 3, line 25 - column 4, line 59; column 5, line 32 - column 7, line 7; column 9, lines 31-50,53 - column 10, line 8 * ---	1,16,19		
P,A	EP-A-0 233 856 (THE PROCTER & GAMBLE CO.) * Claims 1-6; page 9, lines 1-3,34 - page 12, line 16; page 13, line 11 - page 14, line 18; page 14, line 22 - page 15, line 15; page 16, lines 1-16, examples 1,2; page 22, lines 22-25 * ---	1,16,19		
D,A	US-A-3 600 186 (F.H. MATTSON et al.) * Claims 1-6; column 2, line 69 - column 3, line 26; column 3, line 62 - column 4, line 31; examples 2,7 * ---	1,16,19	TECHNICAL FIELDS SEARCHED (Int. Cl.4)	
A	US-A-4 626 441 (MELVIN WOLKSTEIN) * Column 4, line 49 - column 5, line 27; claims 1,12-15,20,24,26 * ---	1,16,19	A 23 D	
A	US-A-4 034 083 (F.H. MATTSON) * Column 3, lines 26-39; column 5, line 3 - column 6, line 59; column 10, lines 12-48; examples IV-VI; claims 1-6,16-21 * -----	1,16,19		
The present search report has been drawn up for all claims				
Place of search	Date of completion of the search	Examiner		
THE HAGUE	22-12-1989	DEKEIREL M.J.		
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document				